

Form PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO. UF-221C1XC1	SERIAL NO. 09/662,254
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>									APPLICANT(S): Richard W. Moyer, Yi Li, Alison L. Bawden	
									FILING DATE September 14, 2000	GROUP ART UNIT 1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AL</i>	AA	5	7	2	1	3	5	2	Moyer et al.	536	23.2	
<i>YPL</i>	AB	5	7	5	3	2	5	8	Schreier et al.	424	450	<i>RECEIVED</i>
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>AL</i>	AH	9	4	1	3	8	1	2	PCT			
	AI	9	8	5	0	5	7	1	PCT			
	AJ											

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

<i>AL</i>	AK	Afonso, C.L., E.R. Tulman, Z. Lu, E. Oma, G.F. Kutish, and D.L. Rock [1999] "The genome of <i>Melanoplus sanguinipes</i> Entomopoxvirus" <i>J. Virol.</i> 73:533-552.
	AL	Arif, B. M. and Kurstak, E. [1991]. The Entomopoxviruses. In "Viruses of Invertebrates," E. Kurstak, Ed., pp. 179-195. Marcel Dekker, Inc., New York
	AM	Bawden, A. L., Li, Y., Glassberg, K., and Moyer, R. W. [2000] Entomopoxvirus Vectors. In "Viral Vectors: Basic Science and Gene Therapy," pg. 341-355, A. Cid-Arregui, Ed., Eaton Publishing, Natick, MA (In Press).
	AN	Bawden, Alison L., Kathryn J. Glassberg, James Diggans et al. (2000) "Complete Genomic Sequence of the <i>Amsacta moorei</i> Entomopoxvirus: Analysis and Comparison with Other Poxviruses" <i>Virology</i> 274:120-139.
	AO	Berns, Kenneth I. and Roy A. Bohnzky (1987) "Adeno-Associated Viruses: An Update" <i>Adv. Virus Res.</i> 32:243-306.
	AP	Fernon, C.A., A.P. Vera, R. Crnov, J. Lai-Fook, R.J. Osborne, and D.J. Dall [1995] "Replication of <i>Heliothis armigera</i> entomopoxvirus <i>in vitro</i> " <i>J. Invertebr. Pathol.</i> 66:216-223.
	AQ	Gauthier, Laurent Francois Cousserans, Jean Claude Veyrunes, Max Bergoin (1995) "The <i>Melolontha melolontha</i> Entomopoxvirus (<i>MmEPV</i>) Fusolin Is Related To The Fusolins Of Lepidopteran EPVs And To The 37K Baculovirus Glycoprotein" <i>Virology</i> 208:427-436.
	AR	Goebel, S. J., Johnson, G. P., Perkus, M. E., Davis, S. W., Winslow, J. P., and Paoletti, E. [1990] "The complete DNA sequence of vaccinia virus" <i>Virology</i> 179, 247-66, 517-63.

EXAMINER	<i>AL</i>	DATE CONSIDERED
		<i>2/14/01</i>

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	AH							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	AK	Gooding, L. R. [1992] "Virus proteins that counteract host immune defenses" <i>Cell</i> 71:5-7.
AL	AL	Goodwin, R. H., J. R. Adams and M. Shapiro [1990] "Replication of the entomopoxvirus from <i>Amsacta moorei</i> in serum-free cultures of a gypsy moth cell line" <i>J. Invertebr. Pathol.</i> 56:190-205.
AM	AM	Granados, R.R. (1981) "Entomopoxvirus infections in insects, In: Pathogenesis of invertebrate Microbial Disease, pp 102-126, Davidson, E.W. (ed.) New Jersey, Allanheld Totowa.
AN	AN	Gruidl, M. E., Hall, R. L., and Moyer, R. W. [1992] "Mapping and molecular characterization of a functional thymidine kinase from <i>Amsacta moorei</i> entomopoxvirus" <i>Virology</i> 186:507-516.
AO	AO	Hall, R. L. and Hink, W. F. [1990] "Physical mapping and field inversion gel electrophoresis of <i>Amsacta moorei</i> entomopoxvirus DNA" <i>Arch. Virol.</i> 110:77-90.
AP	AP	Hall, R.L. and R.W. Moyer [1991] "Identification, cloning, and sequencing of a fragment of <i>Amsacta moorei</i> entomopoxvirus DNA containing the spheroidin gene and three vaccinia virus-related open reading frames" <i>J. Virol.</i> 65:6516-6527.
AQ	AQ	Hall, R. L. and Moyer, R. W. [1993] "Identification of an <i>Amsacta</i> spheroidin-like protein within the occlusion bodies of <i>Choristoneura</i> entomopoxviruses" <i>Virology</i> 192:179-187.
AR	AR	Hall, R. L., Li, Y., Feller, J. A., and Moyer, R. W. [1996] "The <i>Amsacta moorei</i> entomopoxvirus spheroidin gene is improperly transcribed in vertebrate poxviruses" <i>Virology</i> 224:427-436.

EXAMINER	<i>Moyer</i>	DATE CONSIDERED	<i>8/14/01</i>
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	AH						
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
<i>R.W.</i>	AK	Kaplitt, Michael G., Paola Leone, Richard J. Samulski, Xiao Xiao, Donald W. Pfaff, Karen L. O'Malley, Matthew J. During (1994) "Long-term gene expression and phenotypic correction using adeno-associated virus vectors in the mammalian brain" Nat. Genet 8:148-154.					
	AL	Kotin, Robert M., R. Michael Linden, Kenneth I. Berns (1992) "Characterization of a preferred site on human chromosome 19q for integration of adeno-associated virus DNA by non-homologous recombination" The EMBO Journal 11(13):5071-5078.					
	AM	Langridge, W.H.R. (1983) "Detection of <i>Amsacta moorei</i> Entomopoxvirus and Vaccinia Virus Proteins in Cell Cultures Restrictive for Poxvirus Multiplication" Journal of Invertebrate Pathology 42:77-82.					
	AN	Li, X., Barrett, J. W., Yuen, L., and Arif, B. M. [1997] "Cloning, sequencing and transcriptional analysis of the <i>Choristoneura fumiferana</i> entomopoxvirus spheroidin gene" Virus Res. 47:143-154.					
	AO	Li, Yi, Richard L. Hall, Richard W. Moyer (Dec. 1997) "Transient, Nonlethal Expression of Genes in Vertebrate Cells by Recombinant Entomopoxviruses" Journal of Virology 71(12):9557-9562					
	AP	Li, Y., R.L. Hall, S.L. Yuan, R.W. Moyer (1998) "High-level expression of <i>Amsacta moorei</i> entomopoxvirus spheroidin depends on sequences within the gene" Journal of General Virology 79:613-622.					
	AQ	Lytvyn, V., Y. Fortin, M. Banville, B. Arif, and C. Richardson [1992] "Comparison of the thymidine kinase genes from three entomopoxviruses" J. Gen. Virol. 73:3235-3240.					
<i>R.W.</i>	AR	Moyer, R.W. [1994] Entomopoxviruses, p. 392-397, <i>Encyclopedia of Virology</i> , R.G. Webster and A. Granoff (eds.), Academic Press Ltd, London).					
EXAMINER <i>Richard W. Moyer</i>				DATE CONSIDERED <i>8/14/01</i>			
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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

AK	Nienhuis, Arthur W., Christopher Edward Walsh, Johnson Liu (1993) "Viruses as Therapeutic Gene Transfer Vectors" In: N.S. Young (ed.) Viruses and Bone Marrow, Marcel Decker, New York, pp 353-414.
AL	Palmer, Christopher, Davin P. Miller, Susan A. Marlow et al. (1995) "Genetic modification of an entomopoxvirus: deletion of the spheroidin gene does not affect virus replication <i>in vitro</i> " <i>Journal of General Virology</i> 76:15-23.
AM	Ross, Gail, Robert Erickson, Debra Knorr, et al. (Sept, 1996) "Gene Therapy in the United States: A Five-Year Status Report" <i>Human Gene Therapy</i> 7:1781-1790.
AN	Smith, G. L., Chan, Y. S., and Howard, S. T. [1991] "Nucleotide sequence of 42 kbp of vaccinia virus strain WR from near the right inverted terminal repeat" <i>J. Gen. Virol.</i> 72:1349-1376
AO	Smith, G. L. [2000] "Secreted poxvirus proteins that interact with the immune system" <i>Effects of Microbes on the Immune System</i> 491-507.
AP	Srisantha, A., Osborne, R. J., and Dall, D. J. [1997] "Mapping of the Heliothis armigera entomopoxvirus (HaEPV) genome, and analysis of genes encoding the HaEPV spheroidin and nucleoside triphosphate phosphohydrolase I proteins" <i>J Gen Virol</i> 78:3115-3123.
AQ	Verma, Inder M. and Nikunj Somia (1997) "Gene Therapy — promises, problems and prospects" <i>Nature</i> 389:239-242.
AR	Winter, J., R.L. Hall, and R.W. Moyer [1995] "The effect of inhibitors on the growth of the entomopoxvirus from <i>Amsacta moorei</i> in <i>Lymantria dispar</i> (gypsy moth) cells" <i>Virology</i> 211:462-473.

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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
AK		Geoffrey L. Smith (March 1994) "Virus strategies for evasion of the host response to infection" <i>Trends in Microbiology</i> 2(3):81-88.					
AL		Mustafa, Amir and Leonard Yuen (1991) "Identification and sequencing of the <i>Choristoneura biennis</i> entomopoxvirus DNA polymerase gene" <i>J. DNA Sequencing and Mapping</i> 2:39-45.					
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